CLAIMS

1. The use of lithium glycerophosphate for treating structures made of a cement-based product and having steel rebars, making it possible to inhibit rebar corrosion, to prevent the alkali reaction and to avoid the presence of alkalis and sulfates in the structure.

2. A method of treating a structure, which comprises the following step:

- a composition containing lithium glycerophosphate is brought onto the structure or into the structure.

3. The treatment method as claimed in claim 2 and intended for treating a structure made from a cement-based product, which comprises the following step:

- the structure is impregnated with a composition containing lithium glycerophosphate.

4. The method as claimed in claim 3, wherein the composition is an aqueous solution.

5. The method as claimed in either of claims 3 and 4, wherein the structure is impregnated with the composition by applying it to its surface.

6. The method as claimed in one of claims 3 to 5, wherein the amount of lithium glycerophosphate applied is from 0.003 to 3 mol/m^2.

7. The method as claimed in one of claims 3 to 6, wherein the composition is applied using a brush, a roller or a spray device.

8. The treatment method as claimed in claim 2 and intended to inhibit the corrosion on steel rebars of a

structure which are exposed to the open air, which comprises the following step:

- the rebars are covered with a paint containing lithium glycerophosphate.

9. The method as claimed in claim 8, wherein the paint is an aqueous-based paint.

10. The treatment method as claimed in claim 2 and intended for treating a cement-based paste intended for immobilizing steel rebars in order to form a structure, which comprises the following step:

- a composition containing lithium glycerophosphate is incorporated into the not-yet solidified paste of cement-based product.

11. The method as claimed in claim 10, wherein between 0.001% and 1% lithium glycerophosphate is incorporated into the paste.

12. The method as claimed in either of claims 10 and 11, wherein the composition is an aqueous solution.

13. A structure obtained by the method as claimed in one of claims 2 to 12.